

Title: US-09-884-767A-1
Perfect score: 16
Sequence: 1 XXXXDRX 7

RESULT 6

AAW31031

ID AAW31031 standard; peptide; 7 AA.

XX

AC AAW31031;

XX

DT 09-JAN-1998 (first entry)

XX

DE Mugwort pollen allergen B cell epitope.

XX

KW Cofactor-independent phosphoglycerate mutase; PGM-i; E.C. 5.4.21;

KW Timothy grass; pollen; allergy; plant allergen; panallergen; B cell;

KW T cell; epitope; immunotherapy; detection; diagnosis; hay fever;

KW conserved.

XX

OS Artemisia vulgaris.

XX

PN WO9705258-A2.

XX

PD 13-FEB-1997.

XX

PF 02-AUG-1996; 96WO-AT00141.

XX

PR 02-AUG-1995; 95AT-0001320.

XX

PA (BIOM-) BIOMAY PRODN & HANDELS GMBH.

XX

PI Breitenbach M, Ebner C, Engel E, Ferreira F, Jilek A;

PI Kraft D, Richter K, Rheinberger H;

XX

DR WPI; 1997-145695/13.

XX

PT New recombinant DNA encoding plant phospho:glycerate mutase or its

PT antigenic epitope(s) - useful for diagnosis or treatment of

PT allergies to pollen and plant-derived foods

XX

PS Disclosure; Fig 11a; 160pp; German.

XX

CC AAW31018-W31040 are B cell epitopes of mugwort pollen co-factor-

CC independent phosphoglycerate mutase (PGM-i) isoform Art6. PGM-i is

CC a highly conserved plant allergen (panallergen) which can cause

CC cross-reactivity in patients allergic to pollen and plant-derived

CC foods. PGM-i and it's B cell and T cell epitopes can be used for the

CC in vitro detection of allergy against PGM-i, by measuring serum IgE

CC or a cellular reaction. They can also be used in immunotherapy and

CC will not cause an autoimmune response because PGM-i is significantly

CC different from the human enzyme, which is co-factor dependent.

XX

SQ Sequence 7 AA;

Query Match 100.0%; Score 16; DB 18; Length 7;

Best Local Similarity 28.6%; Pred. No. 7.8e+05;

Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7

::::|::

Db 1 NFRADRM 7

RESULT 13

US-07-714-540-7

; Sequence 7, Application US/07714540

; Patent No. 5262521

; GENERAL INFORMATION:

; APPLICANT: Almquist, Ronald G.

; APPLICANT: Toll, Lawrence

```

; TITLE OF INVENTION: ISOLATED ATRIAL PEPTIDE-DEGRADING
; TITLE OF INVENTION: ENZYME AND NOVEL COMPOUNDS USEFUL AS INHIBITORS THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Irell & Manella
; STREET: 545 Middlefield Road, Suite 200
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/714,540
; FILING DATE: 19910607
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Reed, Dianne E.
; REGISTRATION NUMBER: 31,292
; REFERENCE/DOCKET NUMBER: 8500-0135.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-327-7250
; TELEFAX: 415-327-2951
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-714-540-7

```

```

Query Match          100.0%; Score 16; DB 1; Length 8;
Best Local Similarity 28.6%; Pred. No. 2e+05;
Matches      2; Conservative      5; Mismatches      0; Indels      0; Gaps      0;

```

```

Qy      1 XXXXDRX 7
        ::::||:
Db      1 DVNTDRP 7

```

RESULT 6

```

US-09-243-079-74
; Sequence 74, Application US/09243079
; Patent No. US20020081566A1
; GENERAL INFORMATION:
; APPLICANT: Beretta, Alberto
; TITLE OF INVENTION: HIV PROTEIN EPITOPES IMMUNOLOGICALLY
; TITLE OF INVENTION: HOMOLOGOUS TO HLA
; FILE REFERENCE: 29928-PCT-USA-I
; CURRENT APPLICATION NUMBER: US/09/243,079
; CURRENT FILING DATE: 1999-02-02
; PRIOR APPLICATION NUMBER: 08/335,733
; PRIOR FILING DATE: 1994-11-10
; PRIOR APPLICATION NUMBER: PCT/IT93/00049
; PRIOR FILING DATE: 1993-05-10
; PRIOR APPLICATION NUMBER: RM92A/000350
; PRIOR FILING DATE: 1992-05-11
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-243-079-74

```

```

Query Match          100.0%; Score 16; DB 10; Length 8;

```

. Best Local Similarity 28.6%; Pred. No. 8.8e+04;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|l:
Db 2 QAQADRV 8

RESULT 7

US-09-243-079-75

; Sequence 75, Application US/09243079

; Patent No. US20020081566A1

; GENERAL INFORMATION:

; APPLICANT: Beretta, Alberto

; TITLE OF INVENTION: HIV PROTEIN EPITOPES IMMUNOLOGICALLY

; TITLE OF INVENTION: HOMOLOGOUS TO HLA

; FILE REFERENCE: 29928-PCT-USA-I

; CURRENT APPLICATION NUMBER: US/09/243,079

; CURRENT FILING DATE: 1999-02-02

; PRIOR APPLICATION NUMBER: 08/335,733

; PRIOR FILING DATE: 1994-11-10

; PRIOR APPLICATION NUMBER: PCT/IT93/00049

; PRIOR FILING DATE: 1993-05-10

; PRIOR APPLICATION NUMBER: RM92A/000350

; PRIOR FILING DATE: 1992-05-11

; NUMBER OF SEQ ID NOS: 89

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 75

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-243-079-75

Query Match 100.0%; Score 16; DB 10; Length 8;

Best Local Similarity 28.6%; Pred. No. 8.8e+04;

Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|l:
Db 1 QAQADRV 7

RESULT 13

US-09-931-969A-11

; Sequence 11, Application US/09931969A

; Patent No. US20020160959A1

; GENERAL INFORMATION:

; APPLICANT: Nicholette, Charles A.

; TITLE OF INVENTION: THERAPEUTIC COMPOUNDS FOR OVARIAN CANCER

; FILE REFERENCE: GZ 2104.00

; CURRENT APPLICATION NUMBER: US/09/931,969A

; CURRENT FILING DATE: 2002-04-08

; PRIOR APPLICATION NUMBER: 60/226,243

; PRIOR FILING DATE: 2000-08-17

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 11

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-931-969A-11

Query Match 100.0%; Score 16; DB 9; Length 9;

Best Local Similarity 28.6%; Pred. No. 8.8e+04;

Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|l:
Db 1 IIEDRL 7

RESULT. 2

PT0676

T-cell receptor beta chain V-D-J region (140-1AL) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997

C;Accession: PT0676

R;Feeney, A.J.

J. Exp. Med. 174, 115-124, 1991

A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.

A;Reference number: PT0509; MUID:91277601; PMID:1711558

A;Accession: PT0676

A;Status: translation not shown

A;Molecule type: DNA

A;Residues: 1-7 <FEE>

A;Experimental source: day 18 fetal thymus, strain BALB/c

C;Keywords: T-cell receptor

Query Match 100.0%; Score 16; DB 2; Length 7;
Best Local Similarity 28.6%; Pred. No. 2.8e+05;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7

::::||:

Db 1 ASGEDRG 7

RESULT 3

PT0576

T-cell receptor beta chain V-D-J region (141-1G) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997

C;Accession: PT0576

R;Feeney, A.J.

J. Exp. Med. 174, 115-124, 1991

A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.

A;Reference number: PT0509; MUID:91277601; PMID:1711558

A;Accession: PT0576

A;Status: translation not shown

A;Molecule type: mRNA

A;Residues: 1-7 <FEE>

A;Experimental source: day 19 fetal thymus, strain BALB/c

C;Keywords: T-cell receptor

Query Match 100.0%; Score 16; DB 2; Length 7;
Best Local Similarity 28.6%; Pred. No. 2.8e+05;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7

::::||:

Db 1 ASSDDRT 7

RESULT 7

PT0547

T-cell receptor beta chain V-D-J region (126-1AI) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997

C;Accession: PT0547

R;Feeney, A.J.

J. Exp. Med. 174, 115-124, 1991

A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.

A;Reference number: PT0509; MUID:91277601; PMID:1711558

A;Accession: PT0547

A;Status: translation not shown

A;Molecule type: mRNA

A;Residues: 1-8 <FEE>

A;Experimental source: day 18 fetal thymus, strain BALB/c

C;Keywords: T-cell receptor

Query Match 100.0%; Score 16; DB 2; Length 8;
Best Local Similarity 28.6%; Pred. No. 2.8e+05;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy . 1 XXXXDRX 7
:::|l:
Db 2 SSDADRG 8

RESULT 9

PT0212

T-cell receptor alpha chain V-J region (4-1-E.2) - mouse (fragment)

C;Species: Mus musculus (house mouse)

C;Date: 31-Dec-1991 #sequence_revision 31-Dec-1991 #text_change 30-May-1997

C;Accession: PT0212

R;Nakano, N.; Kikutani, H.; Nishimoto, H.; Kishimoto, T.

J. Exp. Med. 173, 1091-1097, 1991

A;Title: T cell receptor V gene usage of islet beta cell-reactive T cells is not restricted in non-obese diabetic mice.

A;Reference number: PT0209; MUID:91217621; PMID:1902501

A;Accession: PT0212

A;Molecule type: mRNA

A;Residues: 1-10 <NAK>

C;Keywords: T-cell receptor

Query Match 100.0%; Score 16; DB 2; Length 10;
Best Local Similarity 28.6%; Pred. No. 1.1e+03;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|l:
Db 4 AGGADRL 10

RESULT 6

MY14_EISFO

ID MY14_EISFO STANDARD; PRT; 14 AA.

AC P46979;

DT 01-NOV-1995 (Rel. 32, Created)

DT 01-NOV-1995 (Rel. 32, Last sequence update)

DT 01-NOV-1995 (Rel. 32, Last annotation update)

DE Myoactive tetradecapeptide (ETP).

OS Eisenia foetida (Common brandling worm) (Common dung-worm).

OC Eukaryota; Metazoa; Annelida; Clitellata; Oligochaeta; Haplotaxida;

OC Lumbricina; Lumbricidae; Eisenia.

OX NCBI_TaxID=6396;

RN [1]

RP SEQUENCE, AND SYNTHESIS.

RC TISSUE=Gut;

RX MEDLINE=96087879; PubMed=8532604;

RA Ukena K., Oumi T., Matsushima O., Ikeda T., Fujita T., Minakata H.,

RA Nomoto K.;

RT "A novel gut tetradecapeptide isolated from the earthworm, Eisenia

RT foetida.";

RL Peptides 16:995-999(1995).

CC -!- FUNCTION: HAS A STIMULATIVE EFFECT ON THE CONTRACTION OF GUT

CC MUSCLES.

CC -!- SIMILARITY: TO INSECTS ALLATOTROPIN.

KW Neuropeptide; Amidation.

FT MOD_RES 14 14 AMIDATION.

SQ SEQUENCE 14 AA; 1478 MW; CC9ABEF941CD91AD CRC64;

Query Match 100.0%; Score 16; DB 1; Length 14;
Best Local Similarity 28.6%; Pred. No. 5.9e+02;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|l:
Db 4 DGAADRI 10

RESULT 7

MY14_PHEVI

ID MY14_PHEVI STANDARD; PRT; 14 AA.

AC P46980;

DT 01-NOV-1995 (Rel. 32, Created)

DT 01-NOV-1995 (Rel. 32, Last sequence update)
 DT 01-NOV-1995 (Rel. 32, Last annotation update)
 DE Myoactive tetradecapeptide (PTP).
 OS Pheretima vittata (Earthworm).
 OC Eukaryota; Metazoa; Annelida; Clitellata; Oligochaeta; Haplotaxida;
 OC Lumbricina; Megascolecidae; Pheretima.
 OX NCBI_TaxID=46674;
 RN [1]
 RP SEQUENCE, AND SYNTHESIS.
 RC TISSUE=Gut;
 RX MEDLINE=96087879; PubMed=8532604;
 RA Ukena K., Oumi T., Matsushima O., Ikeda T., Fujita T., Minakata H.,
 RA Nomoto K.;
 RT "A novel gut tetradecapeptide isolated from the earthworm, Eisenia
 RT foetida."
 RL Peptides 16:995-999(1995).
 CC -!- FUNCTION: HAS A STIMULATIVE EFFECT ON THE CONTRACTION OF GUT
 CC MUSCLES.
 CC -!- SIMILARITY: TO INSECTS ALLATOTROPIN.
 KW Neuropeptide; Amidation.
 FT MOD_RES 14 14 AMIDATION.
 SQ SEQUENCE 14 AA; 1522 MW; DA40BEE67CCD91AD CRC64;

Query Match 100.0%; Score 16; DB 1; Length 14;
 Best Local Similarity 28.6%; Pred. No. 5.9e+02;
 Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
 :::||:
 Db 4 DGSADRI 10

RESULT 12

FIBB_LAMGL

ID FIBB_LAMGL STANDARD; PRT; 19 AA.
 AC P14473;
 DT 01-JAN-1990 (Rel. 13, Created)
 DT 01-JAN-1990 (Rel. 13, Last sequence update)
 DT 15-JUN-2002 (Rel. 41, Last annotation update)
 DE Fibrinogen beta chain [Contains: Fibrinopeptide B] (Fragment).
 GN FGB.
 OS Lama glama (Llama),
 OS Lama vicugna (Vicugna) (Vicugna vicugna), and
 OS Camelus dromedarius (Dromedary) (Arabian camel).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Cetartiodactyla; Tylopoda; Camelidae; Lama.
 OX NCBI_TaxID=9844, 9843, 9838;
 RN [1]
 RP SEQUENCE.
 RC SPECIES=L.glama;
 RA Blomback B., Blomback M., Grondahl N.J.;
 RT "Studies on fibrinopeptides from mammals."
 RL Acta Chem. Scand. 19:1789-1791(1965).
 RN [2]
 RP SEQUENCE.
 RC SPECIES=C.dromedarius;
 RX MEDLINE=67209145; PubMed=6033721;
 RA Doolittle R.F., Schubert D., Schwartz S.A.;
 RT "Amino acid sequence studies on artiodactyl fibrinopeptides. I.
 RT Dromedary camel, mule deer, and cape buffalo."
 RL Arch. Biochem. Biophys. 118:456-467(1967).
 RN [3]
 RP SEQUENCE.
 RC SPECIES=L.vicugna;
 RA Mross G.A., Doolittle R.F.;
 RT "Amino acid sequence studies on artiodactyl fibrinopeptides."
 RL Arch. Biochem. Biophys. 122:674-684(1967).
 CC -!- FUNCTION: FIBRINOGEN HAS A DOUBLE FUNCTION: YIELDING MONOMERS THAT
 CC POLYMERIZE INTO FIBRIN AND ACTING AS A COFACTOR IN PLATELET
 CC AGGREGATION.
 CC -!- SUBUNIT: HEXAMER CONTAINING 2 SETS OF 3 NONIDENTICAL CHAINS

CC . (ALPHA, BETA AND GAMMA), LINKED TO EACH OTHER BY DISULFIDE BONDS.
 CC -!- MISCELLANEOUS: CONVERSION OF FIBRINOGEN TO FIBRIN IS TRIGGERED BY
 CC THROMBIN, WHICH CLEAVES FIBRINOPEPTIDES A AND B FROM ALPHA & BETA
 CC CHAINS, AND THUS EXPOSES THE N-TERMINAL POLYMERIZATION SITES
 CC RESPONSIBLE FOR THE FORMATION OF THE SOFT CLOT.
 DR InterPro; IPR002181; Fibrinogen_C.
 DR PROSITE; PS00514; FIBRIN_AG_C_DOMAIN; PARTIAL.
 KW Blood coagulation; Plasma; Sulfation.
 FT PEPTIDE 1 19 FIBRINOPEPTIDE B.
 FT MOD_RES 4 4 SULFATION.
 FT NON_TER 19 19
 SQ SEQUENCE 19 AA; 2295 MW; E7EE6B6100568638 CRC64;

Query Match 100.0%; Score 16; DB 1; Length 19;
 Best Local Similarity 28.6%; Pred. No. 8.2e+02;
 Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
 : : : : | :
 Db 6 EEEDDRV 12

RESULT 13

LPGE_ECOLI

ID LPGE_ECOLI STANDARD; PRT; 19 AA.
 AC P33236;
 DT 01-FEB-1994 (Rel. 28, Created)
 DT 01-FEB-1994 (Rel. 28, Last sequence update)
 DT 16-OCT-2001 (Rel. 40, Last annotation update)
 DE Gef leader peptide.
 GN GEFL OR B0018.
 OS Escherichia coli.
 OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
 OC Escherichia.
 OX NCBI_TaxID=562;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=92048481; PubMed=1943701;
 RA Poulsen L.K., Refn A., Molin S., Andersson P.;
 RT "The gef gene from Escherichia coli is regulated at the level of
 RT translation.";
 RL Mol. Microbiol. 5:1639-1648(1991).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC STRAIN=K12 / MG1655;
 RX MEDLINE=97426617; PubMed=9278503;
 RA Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,
 RA Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,
 RA Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,
 RA Mau B., Shao Y.;
 RT "The complete genome sequence of Escherichia coli K-12.";
 RL Science 277:1453-1474(1997).

CC -----
 CC This SWISS-PROT entry is copyright. It is produced through a collaboration
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 CC use by non-profit institutions as long as its content is in no way
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 CC or send an email to license@isb-sib.ch).
 CC -----

DR EMBL; AE000112; AAC73129.1; ALT_TERM.
 DR PIR; S16473; S16473.
 DR EcoGene; EG12074; gefL.
 KW Leader peptide; Complete proteome.
 SQ SEQUENCE 19 AA; 2259 MW; 19B3EDF371EB0BEB CRC64;

Query Match 100.0%; Score 16; DB 1; Length 19;
 Best Local Similarity 28.6%; Pred. No. 8.2e+02;
 Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy . 1 XXXXDRX 7
:::|l:
Db 7 VPLTDRK 13

RESULT 4

Q70140

ID Q70140 PRELIMINARY; PRT; 9 AA.
AC Q70140;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Tat protein (Fragment).
GN TAT.
OS Human immunodeficiency virus type 1.
OC Viruses; Retroid viruses; Retroviridae; Lentivirus.
OX NCBI_TaxID=11676;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=020;
RX MEDLINE=95194694; PubMed=7888189;
RA Gao F., Yue L., Craig S., Thornton C.L., Robertson D.L.,
RA McCutchan F.E., Bradac J.A., Sharp P.M., Hahn B.H.;
RT "Genetic variation of HIV type 1 in four World Health Organization-
RT sponsored vaccine evaluation sites: generation of functional envelope
RT (glycoprotein 160) clones representative of sequence subtypes A, B, C,
RT and E. WHO Network for HIV Isolation and Characterization.";
RL AIDS Res. Hum. Retroviruses 10:1359-1368(1994).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=020;
RX MEDLINE=96190564; PubMed=8627686;
RA Gao F., Morrison S.G., Robertson D.L., Thornton C.L., Craig S.,
RA Karlsson G., Sodroski J., Morgado M., Galvao-Castro B.,
RA von Briesen H., Beddows S., Weber J., Sharp P.M., Shaw G.M.,
RA Hahn B.H.;
RT "Molecular cloning and analysis of functional envelope genes from
RT human immunodeficiency virus type 1 sequence subtypes A through G. The
RT WHO and NIAID Networks for HIV Isolation and Characterization.";
RL J. Virol. 70:1651-1657(1996).
RN [3]
RP SEQUENCE FROM N.A.
RC STRAIN=020;
RA Allen E.E.;
RL Submitted (APR-1994) to the EMBL/GenBank/DDBJ databases.
DR EMBL; U08794; AAB05175.1; -.
FT NON TER 1 1
SQ SEQUENCE 9 AA; 1098 MW; 5B76D40AB1AB01A3 CRC64;

Query Match 100.0%; Score 16; DB 15; Length 9;
Best Local Similarity 28.6%; Pred. No. 6.7e+05;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|l:
Db 2 KTETDRF 8

RESULT 15

Q93A08

ID Q93A08 PRELIMINARY; PRT; 12 AA.
AC Q93A08;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE ResB protein (Fragment).
GN RESB.
OS Thiobacillus ferrooxidans.
OC Bacteria; Proteobacteria; gamma subdivision; Acidithiobacillus.
OX NCBI_TaxID=920;
RN [1]

RP SEQUENCE FROM N.A.
RC STRAIN=ATCC33020;
RA Levican G., Bruscella P., Guacunano M., Inostroza C., Jedlicki E.,
RA Bonnefoy V., Holmes D.S.;
RT "Characterization of the pet and res operons of Acidithiobacillus
RT ferrooxidans.";
RL Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL; AJ413194; CAC88360.1; -.
FT NON_TER 1 1
SQ SEQUENCE 12 AA; 1405 MW; 886AB7DF1E13240A CRC64;

Query Match 100.0%; Score 16; DB 2; Length 12;
Best Local Similarity 28.6%; Pred. No. 2.3e+03;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|:

Db 1 QSQDDRK 7

RESULT 10

US-08-045-394A-47

; Sequence 47, Application US/08045394A

; GENERAL INFORMATION:

; APPLICANT: Rath, Matthias

; TITLE OF INVENTION: Further Synthetic Oligopeptides

; TITLE OF INVENTION: Analogous To Protein Signal Sequences And Therapeutic Use

; NUMBER OF SEQUENCES: 253

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SHELDON & MAK

; STREET: 401 Florence Street, First Floor

; CITY: Palo Alto

; STATE: California

; COUNTRY: USA

; ZIP: 94301

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk, 3.50 inch, 1.44 MB storage

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Word Perfect 6.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/045,394A

; FILING DATE: 12-APR-1993

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Cranfill, Raymond B

; REGISTRATION NUMBER: 32,845

; REFERENCE/DOCKET NUMBER: RATH-10016-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-322-5333

; TELEFAX: 415-322-5499

; INFORMATION FOR SEQ ID NO: 47:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 7 amino acid

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-08-045-394A-47

Query Match 100.0%; Score 16; DB 4; Length 7;
Best Local Similarity 28.6%; Pred. No. 4.2e+06;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|:

Db 1 ESRADRK 7

RESULT 8

US-09-455-294A-15

; Sequence 15, Application US/09455294A

; GENERAL INFORMATION:

; APPLICANT: Bannon, Gary A.

; APPLICANT: Burks, Wesley A.
; APPLICANT: Caplan, Michael J.
; APPLICANT: Sampson, Hugh
; APPLICANT: Sosin, Howard
; TITLE OF INVENTION: Peptide Antigens
; FILE REFERENCE: 2002834-0004
; CURRENT APPLICATION NUMBER: US/09/455,294A
; CURRENT FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: PCT/US96/15222
; PRIOR FILING DATE: 1996-09-23
; PRIOR APPLICATION NUMBER: 08/717,933
; PRIOR FILING DATE: 1996-09-23
; PRIOR APPLICATION NUMBER: 09/141,220
; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/074,590
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/074,624
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/074,633
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/073,283
; PRIOR FILING DATE: 1998-01-31
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Peptide of Ara
; OTHER INFORMATION: h 1 from Arachis hypogaea containing IgE binding
; OTHER INFORMATION: epitope
US-09-455-294A-15

Query Match 100.0%; Score 16; DB 5; Length 10;
Best Local Similarity 28.6%; Pred. No. 1.7e+03;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|:
Db 3 DYDDRR 9

RESULT 10

US-09-141-220D-6

; Sequence 6, Application US/09141220D
; GENERAL INFORMATION:
; APPLICANT: Bannon, Gary A
; APPLICANT: Burks, Wesley A
; APPLICANT: Sampson, Hugh
; APPLICANT: Sosin, Howard
; TITLE OF INVENTION: Methods and Reagents for Decreasing Clinical Reaction
; TITLE OF INVENTION: to Allergy
; FILE REFERENCE: 2002834-0043
; CURRENT APPLICATION NUMBER: US/09/141,220D
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: PCT/US96/15222
; PRIOR FILING DATE: 1996-09-23
; PRIOR APPLICATION NUMBER: 60/074,590
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/074,624
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 60/074,633
; PRIOR FILING DATE: 1998-02-13
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 10
; TYPE: PRT
; ORGANISM: peanut
US-09-141-220D-6

Query Match 100.0%; Score 16; DB 5; Length 10;
Best Local Similarity 28.6%; Pred. No. 1.7e+03;
Matches 2; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 XXXXDRX 7
:::|:
Db 3 DYDDRR 9